

Title (en)
Compositions comprising quaternary ammonium compounds

Title (de)
Zusammensetzungen, enthaltend quaternäre Ammoniumverbindungen

Title (fr)
Compositions comprenant des ammonium quaternaires

Publication
EP 1262170 B1 20060510 (DE)

Application
EP 02011418 A 20020524

Priority
DE 10126252 A 20010529

Abstract (en)
[origin: EP1262170A1] Compositions containing (a) quaternary ammonium compound(s) (I) with (a substituent containing) a 12-36 carbon (C) alk(en)yl group; and (b) 8-36 carbon (C) branched alcohol(s) (II) or a mixture of (II) and 8-36 C linear alcohol(s) (III) are claimed. Compositions containing (a) quaternary ammonium compound(s) of formula (I); and (b) 8-36 carbon (C) branched alcohol(s) (II) or a mixture of (II) and 8-36 C linear alcohol(s) (III) are claimed: R1 = linear or branched 12-36 C alk(en)yl, R5CONH(CH2)n or R5COO(CH2)n; R5 = 12-36 C alk(en)yl; n = 1-8; R2, R3, R4 = -CH3, CH3CH2-, CH3CH2CH2-, CH3CH2CH2CH2-, CH2CH2OH or CH2CH(OH)CH2OH; and X<-> = an anion. Independent claims are also included for the following: (1) the production of the compositions by mixing (I), (II) or a mixture of (II) and (III) and optionally linear or branched 1-4 C monoalcohol(s) (IV); (2) the production of the compositions by alkylating tertiary amine(s) NR1R2R3 with alkylating agent(s) selected from R4X (where X = Cl, I, Br, OSO3H or methosulfate) and/or ethylene oxide and an acid HX (where X = Cl, I, Br, OSO3H, citrate or lactate) in the presence of (II) or a mixture of (II) and (III) and optionally (IV).

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CPC (source: EP US)
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